

## PATENT ABSTRACTS OF JAPAN

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## (54) PHASE DIFFERENCE FILM

## (57)Abstract:

PURPOSE: To improve the visual field characteristic and the display characteristic of STN liquid crystal display element by forming a composition consisting of polycarbonate resin and the other polycarbonate resin having lower photoelasticity constant in the solid state than the resin.

CONSTITUTION: The film is formed with the composition consisting of polycarbonate resin A and the polycarbonate resin B having a lower photoelasticity constant in the solid state than the resin A. As the polycarbonate resin A, arom. polycarbonate such as bisphenol A type polycarbonate is preferable, and as the polycarbonate resin B, arom. polycarbonate is preferable in terms of chemical properties and physical properties, and the polycarbonate having the structure for which anisotropy in the unit molecule obtained by using a derivative asymmetrically introduced to a control carbon is reduced among bisphenol A derivatives for introducing a benzene ring to a bisphenol A is especially preferable. Thus, the change of a color tone of black and white display due to coloring is minimized even against the large change of a viewing angle.

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